CONTENTS

			Page
Explanatory Notes			35
Z	Radionuclides	Pharmaceutical	
1	^{3}H	Water	39
	^{3}H	Inulin	41
6	^{11}C	Carbon monoxide	43
	^{11}C	Carbon dioxide	47
	^{11}C	Erythrocytes (RBC)	51
	^{11}C	Spiperone	53
	^{14}C	Inulin	55
7	^{13}N	Gas	57
	^{13}N	Gas in solution	59
	^{13}N	Ammonia	61
	^{13}N	L-Glutamate	63
8	^{15}O	Carbon monoxide	65
	^{15}O	Carbon dioxide	67
	^{15}O	Molecular	69
9	^{18}F	Fluoride	73
	^{18}F	Fluoro-deoxy-D-glucose (FDG)	75
11	^{22}Na, ^{24}Na	Ion	77
12	^{28}Mg	Ion	81
15	^{32}P, ^{33}P	Phosphate	83
16	^{35}S	Sulphate	85
17	^{34m}Cl, ^{36}Cl, ^{38}Cl	Chloride	87
19	^{38}K	Ion	89
	^{42}K, ^{43}K	Ion	91
20	^{45}Ca, ^{47}Ca	Ion	95
21	^{46}Sc, ^{47}Sc	Non-absorbable markers	99
24	^{51}Cr	Chloride	103
	^{51}Cr	Ethylenediamine triacetic acid (EDTA)	105
	^{51}Cr	Platelets	109
	^{51}Cr	RBC	111
	^{51}Cr	RBC denatured	113
	^{51}Cr	White blood cells (WBC)	115
	^{51}Cr	Non-absorbable markers	117
26	^{52}Fe, ^{55}Fe, ^{59}Fe	Ion	119
27	^{57}Co	Bleomycin	125
	^{57}Co, ^{58}Co	Vitamin B_{12}	127
29	^{64}Cu, ^{67}Cu	Ion	135
30	^{62}Zn, ^{65}Zn, ^{69m}Zn	Ion	137
31	^{66}Ga, ^{67}Ga, ^{68}Ga, ^{72}Ga	Citrate	141
33	^{72}As, ^{74}As, ^{76}As	Arsenate, Arsenite	145
34	^{75}Se	Selenite	147
	^{75}Se	Selenomethionine	149

	^{75}Se	Selenomethylcholesterol	151
	^{75}Se	SeHCAT	153
35	^{76}Br, ^{77}Br, ^{82}Br	Bromide	155
	^{77}Br	Bromospiperone	157
36	^{81m}Kr	Gas	159
37	^{82}Rb	Ion	161
	^{81}Rb, ^{84}Rb, ^{86}Rb	Ion	163
	^{81}Rb	RBC denatured	167
38	^{85}Sr, ^{87m}Sr, ^{89}Sr	Ion	169
43	^{99m}Tc	Albumin	173
	^{99m}Tc	Albumin (intrathecal)	175
	^{99m}Tc	Citrate	177
	^{99m}Tc	Colloids	179
	^{99m}Tc	Dimercaptosuccinic acid (DMSA)	185
	^{99m}Tc	Diethylenetriaminepentaacetic acid (DTPA)	187
	^{99m}Tc	DTPA (intrathecal)	189
	^{99m}Tc	Plasmin	191
	^{99m}Tc	Glucoheptonate	193
	^{99m}Tc	Penicillamine	195
	^{99m}Tc	Pertechnetate	197
	^{99m}Tc	Iminodiacetic acid derivatives (IDA)	201
	^{99m}Tc	Fibrinogen	207
	^{99m}Tc	RBC	209
	^{99m}Tc	RBC denatured	211
	^{99m}Tc	Phosphates/Phosphonates	213
	^{99m}Tc	Aerosol	217
	^{99m}Tc	Heparin	221
	^{99m}Tc	Macroaggregated albumin (MAA)	223
	^{99m}Tc	Non-absorbable markers	225
	^{99m}Tc	Albumin microspheres	227
	^{99m}Tc	Platelets	229
	^{99m}Tc	WBC	231
49	^{111}In, ^{113m}In	Ion	233
	^{113m}In	Hydroxide (colloidal)	235
	^{111}In, ^{113m}In	DTPA	237
	^{111}In, ^{113m}In	DTPA (intrathecal)	241
	^{111}In, ^{113m}In	Aerosol	245
	^{111}In, ^{113m}In	Non-absorbable markers	249
	^{111}In	Platelets	253
	^{111}In	WBC	255
	^{111}In	Bleomycin	257
53	^{123}I, ^{124}I, ^{125}I, ^{131}I	Iodide	259
	^{123}I	Iodoamphetamine (IMP)	279
	^{123}I, ^{125}I, ^{131}I	Fibrinogen	281
	^{123}I, ^{125}I, ^{131}I	Albumin	285
	^{123}I, ^{131}I	Albumin (intrathecal)	289
	^{131}I	MAA	293
	^{125}I, ^{131}I	Non-absorbable markers	295

	^{123}I, ^{131}I	Microaggregated albumin	299
	^{123}I, ^{125}I, ^{131}I	Hippuran	305
	^{125}I, ^{131}I	Antipyrine	313
	^{125}I	Iothalamate	315
	^{131}I	Norcholesterol (NP 59)	317
	^{125}I, ^{131}I	Polyvinylpyrrolidone (PVP)	319
	^{125}I, ^{131}I	Tetraiodothyronine (T4)	321
	^{125}I, ^{131}I	Triiodothyronine (T3)	323
	^{125}I, ^{131}I	Reverse T3	325
	^{125}I, ^{131}I	Diiodothyronine (T2)	327
	^{123}I, ^{131}I	Metaiodobenzylguanidine (MIBG)	329
	^{123}I, ^{131}I	Rose bengal	333
54	^{127}Xe, ^{133}Xe	Gas/solution	341
55	^{129}Cs, ^{130}Cs, ^{131}Cs, ^{134m}Cs	Ion	347
56	^{131}Ba, ^{133m}Ba, ^{135m}Ba	Ion	351
	^{131}Ba	Non-absorbable markers	355
57	^{140}La	DTPA	357
70	^{169}Yb	DTPA	359
	^{169}Yb	DTPA (intrathecal)	361
79	^{198}Au	Colloid	363
80	^{197}Hg	Chloride	365
	^{197}Hg	Bromo-mercuri-hydroxypropane (BMHP)	367
	^{197}Hg, ^{203}Hg	Chlormerodrin	369
81	^{201}Tl	Ion	371